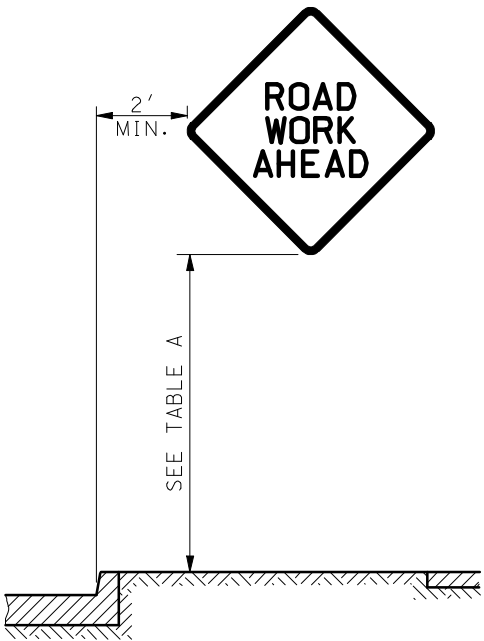


- (1) EDGE OF TRAVELED WAY WHERE THERE IS NO PAVED OR STABILIZED SHOULDER.
(2) ONE-FOOT LESS THAN MOUNTING HEIGHT NOTED IN TABLE A.



HEIGHT AND LATERAL LOCATIONS FOR POST AND PORTABLE SIGN MOUNTING

TYPE	SIGN SUPPORT	SIGN SUBSTRATE	MINIMUM MOUNTING HEIGHT(3)	USAGE LIMITATIONS	COMMENTS
POST	PERFORATED SQUARE STEEL TUBE U-CHANNEL WOOD	RIGID	5' RURAL UNDIVIDED HIGHWAYS 7' RURAL DIVIDED HIGHWAYS 7' URBAN HIGHWAYS	NONE	POSTS SHALL BE FREE OF ANY BRACING AND EXTEND NO FURTHER ABOVE THE SIGN EXCEPT AS NEEDED FOR WARNING LIGHT ATTACHMENT. SEE STANDARD PLAN 903.03 FOR POST INSTALLATION DETAILS. GALVANIZATION OF POSTS WILL NOT BE REQUIRED.
TYPE 1 PORTABLE	SKID FOLD-UP STAND	RIGID	5' RURAL UNDIVIDED HIGHWAYS 7' RURAL DIVIDED HIGHWAYS 7' URBAN HIGHWAYS	PERMITTED ONLY WHERE POST MOUNTING IS NOT FEASIBLE.	SYSTEMS SHALL COMPLY WITH CRASH TEST REQUIREMENTS OF NCHRP 350 TEST LEVEL 3 AND MAY BE PLACED ADJACENT TO OR WITHIN THE ROADWAY PROVIDED A MINIMUM LATERAL CLEARANCE OF 3 FEET, MEASURED HORIZONTALLY FROM THE EDGE OF THE SIGN TO THE EDGE OF DESIGNATED TRAVELED WAY, IS MAINTAINED.
TYPE 2 PORTABLE	EASEL FOLD-UP STAND SELF-DRIVING POST TYPE III MOVABLE BARRICADE SKID	FLEXIBLE RIGID	12"(4)	PERMITTED ONLY FOR INSTALLATION UP TO 3 DAYS(5). WHERE SIGNS ARE OBSCURED BY OTHER OBJECTS (I.E., TRAFFIC CONTROL DEVICES, PARKED VEHICLES, BARRIER, VEGETATION, ETC.) OR INSTALLED ON MULTI-LANE UNDIVIDED FACILITIES OR MULTI-LANE DIVIDED FACILITIES WITH 3 OR MORE LANES IN ONE DIRECTION, MOUNTING HEIGHTS SHALL BE AS SPECIFIED FOR POST-MOUNTED SIGNS.	SYSTEMS SHALL COMPLY WITH CRASH TEST REQUIREMENTS OF NCHRP 350 TEST LEVEL 3 AND MAY BE PLACE ADJACENT TO OR WITHIN ROADWAY PROVIDED A MINIMUM LATERAL CLEARANCE OF 3 FEET, MEASURED HORIZONTALLY FROM THE EDGE OF THE SIGN TO THE EDGE OF THE DESIGNATED TRAVELED WAY, IS MAINTAINED.
BARRIER	CONCRETE TRAFFIC BARRIER GUARDRAIL	FLEXIBLE RIGID	5' RURAL UNDIVIDED HIGHWAYS 7' RURAL DIVIDED HIGHWAYS 7' URBAN HIGHWAYS	PERMITTED ONLY WHERE LONGITUDINAL BARRIER IS PRESENT.	SYSTEMS SHALL PROVIDE POSITIVE CONNECTION TO THE BARRIER AND MINIMIZE POTENTIAL FOR VEHICLE SNAGGING.
VEHICLE	PAVEMENT MARKING EQUIPMENT PILOT CAR PROTECTIVE VEHICLE	FLEXIBLE RIGID	48"	PERMITTED ONLY IN PILOT CAR OR MOVING OPERATIONS.	

- (3) MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF THE PAVEMENT.
(4) MOUNTING HEIGHTS FOR CRITICAL REGULATORY AND GUIDE SIGNS (E.G., STOP, YIELD, DO NOT ENTER, WRONG WAY, ONE WAY, AND GORE EXIT) SHALL BE AS SPECIFIED FOR POST-MOUNTED SIGNS.
(5) SIGNS MOUNTED ON TYPE III BARRICADES, GORE EXIT SIGN, AND SIGNS FOR CROSWALK/SIDEWALK CLOSURES MAY BE LEFT IN PLACE FOR MORE THAN 3 DAYS.

TABLE A
WORK ZONE SIGN MOUNTING REQUIREMENTS

SIGN AREA (SQ.FT.)	POST TYPE		
	U-CHANNEL	WOOD	PERF. SQUARE STEEL TUBING
≤ 10	1 - 3.0 LB./FT.*	1 - 4" X 4"*	1 - 2" 12 GA.*
> 10 ≤ 16	2 - 3.0 LB./FT.	2 - 4" X 4"* 1 - 4" X 6"*	2 - 2" 12 GA.
> 16 ≤ 24	2 - 3.0 LB./FT.	2 - 4" X 6"	3 - 2" 12 GA.**
> 24 ≤ 30	3 - 3.0 LB./FT.	2 - 4" X 6"	N/A
> 30 ≤ 50	N/A	2 - 6" X 6"	N/A

* SIGNS GREATER THAN 4 FEET IN WIDTH, EXCEPT DIAMOND SHAPE SIGNS, REQUIRE TWO POSTS.

** REQUIRES SLIP BASE PER MANUFACTURER'S RECOMMENDATION.

TABLE B
POST SIZE REQUIREMENTS

GENERAL NOTES:

LONGITUDINAL SPACING OF SIGNS SHOWN IN THE PLANS ARE PREFERRED MINIMUMS, BUT MAY BE ADJUSTED TO MEET EXISTING FIELD CONDITIONS WITH APPROVAL FROM THE ENGINEER.

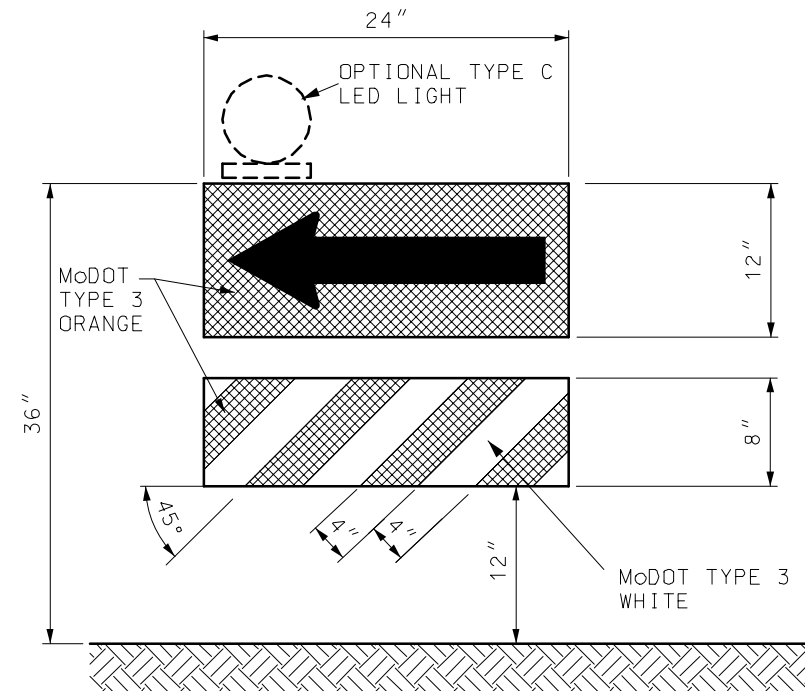
SIGNS SHALL NOT BE MOUNTED IN OR ON CHANNELIZERS.

ALL POSTS AND SIGNS SHALL BE INSTALLED AND MAINTAINED IN A PLUMB POSITION.

CONSTRUCTION SIGNS SHALL NOT BE LOCATED ON SIDEWALKS, BICYCLE LANES, OR AREAS DESIGNATED FOR PEDESTRIAN OR BICYCLE TRAFFIC.

ALL BATTERY PACKS SEPARATE FROM WARNING LIGHT SHALL BE MOUNTED ON A SUPPORT POST NO HIGHER THAN 18" ABOVE GROUND LINE. IF USED, WARNING LIGHTS SHALL NOT COVER ANY PORTION OF THE SIGN FACE.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
	TEMPORARY TRAFFIC CONTROL DEVICES SIGN MOUNTING REQUIREMENTS		
DATE: _____	EFFECTIVE: 07-01-2006	616.10AG	1/8

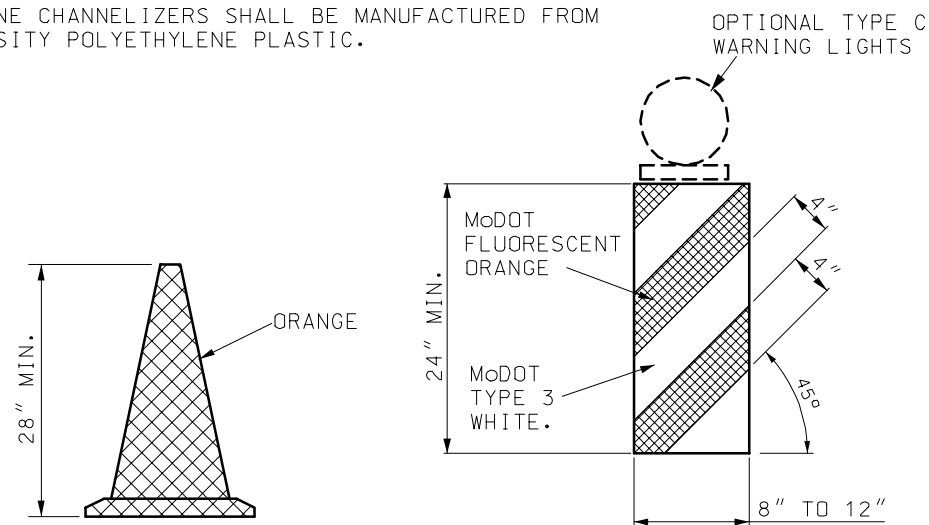


DIRECTION INDICATOR BARRICADE

STRIPES ON TRIM-LINE CHANNELIZERS SHALL BE 6" TO 8". STRIPES ON DRUM-LIKE CHANNELIZERS SHALL BE 4" TO 6".

VERTICAL DIMENSIONS DO NOT INCLUDE PROJECTIONS DESIGNED FOR EASE OF HANDLING.

TRIM-LINE CHANNELIZERS SHALL BE MANUFACTURED FROM LOW DENSITY POLYETHYLENE PLASTIC.



CONE

CONES SHALL MAINTAIN THEIR SHAPE UPON EXPOSURE TO NORMAL WORK CONDITIONS.

CONES SHALL BE USED DURING DAYLIGHT HOURS ONLY.

VERTICAL PANEL

VERTICAL PANELS SHALL BE SECURELY ATTACHED TO A SUPPORT THAT IS PORTABLE, CAPABLE OF REMAINING UPRIGHT AND ENTIRELY FREE STANDING.

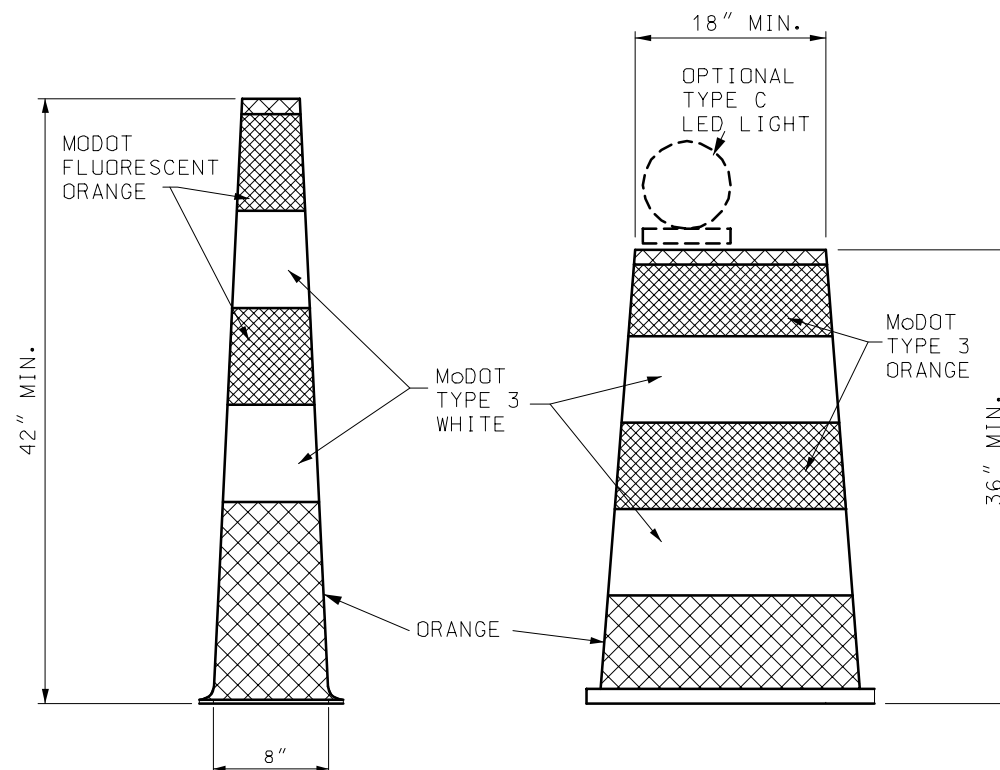
SHEETING IS MoDOT FLUORESCENT ORANGE AND MoDOT TYPE 3 WHITE.

UPON APPROVAL FROM THE ENGINEER, DIRECTION INDICATOR BARRICADES MAY BE USED IN LIEU OF DRUM-LIKE CHANNELIZERS FOR MERGE TAPERS. NO ADDITIONAL COMPENSATION WILL BE MADE. DIRECTION INDICATOR BARRICADES SHALL NOT BE USED IN SHIFTING TAPERS UNLESS SHOWN ON THE PLANS.

THE PANELS SHALL BE SECURELY ATTACHED TO A SUPPORT THAT IS PORTABLE, CAPABLE OF REMAINING UPRIGHT AND ENTIRELY FREE STANDING.

SHEETING SHALL ONLY BE APPLIED TO TRAFFIC SIDE OF BARRICADE.

DETAIL SHOWN IS FOR INSTANCES WHERE TRAFFIC IS REQUIRED TO MOVE TO THE LEFT. FOR INSTANCES WHERE TRAFFIC IS REQUIRED TO MOVE TO THE RIGHT, THE REVERSE CONFIGURATION SHALL BE ASSEMBLED.



TRIM-LINE

DRUM-LIKE

CHANNELIZERS

GENERAL NOTES:

BALLAST FOR TRAFFIC CONTROL DEVICES SHALL CONFORM TO MANUFACTURERS' RECOMMENDATION FOR FIELD CONDITIONS WHEN APPLICABLE.

IF REQUIRED BY THE ENGINEER OR SPECIFIED ON THE PLANS, EACH DIRECTION INDICATOR BARRICADE OR DRUM-LIKE CHANNELIZER SHALL BE EQUIPPED WITH ONE TYPE C LED PORTABLE LIGHT UNIT. IF USED, THE LIGHT UNIT AND BATTERY COMPARTMENT SHALL BE FURNISHED BY THE DEVICE MANUFACTURER OR OTHERWISE MEET THE MANUFACTURER'S RECOMMENDATIONS FOR DESIGN AND WILL BE REQUIRED ON ALL DEVICES IN THE SERIES.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TEMPORARY TRAFFIC CONTROL DEVICES CHANNELIZERS AND DIRECTION INDICATOR BARRICADE

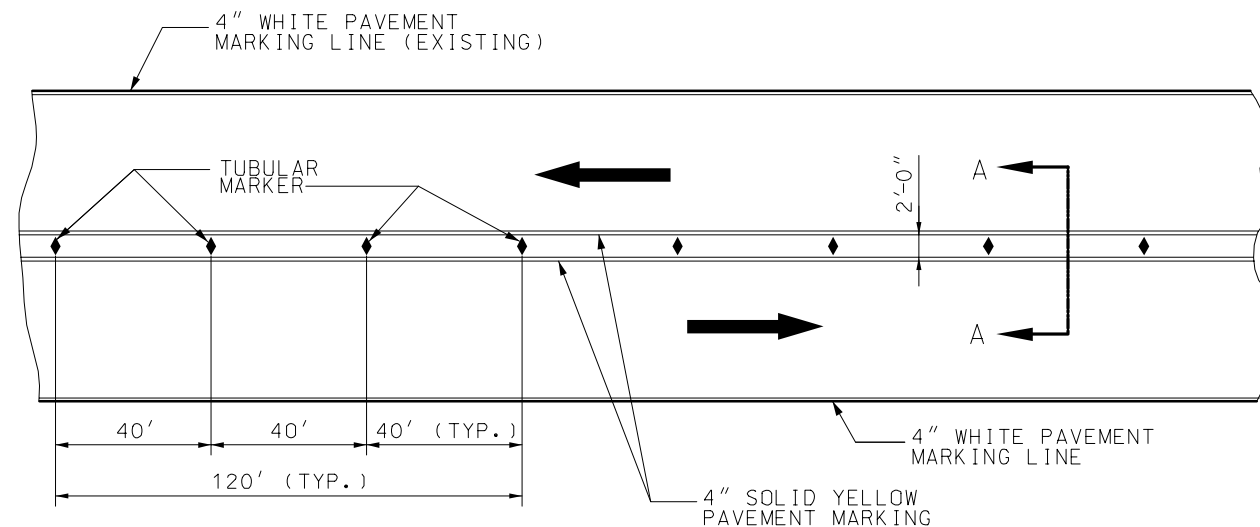
DATE: _____

EFFECTIVE: 07-01-2006

616.10AG

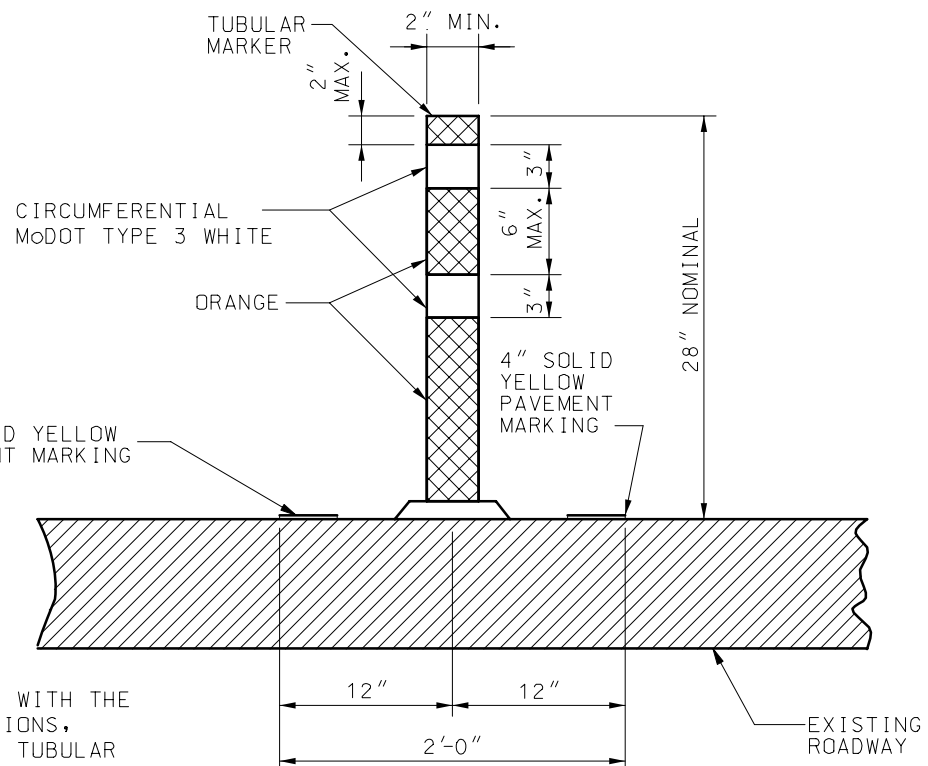
2

8



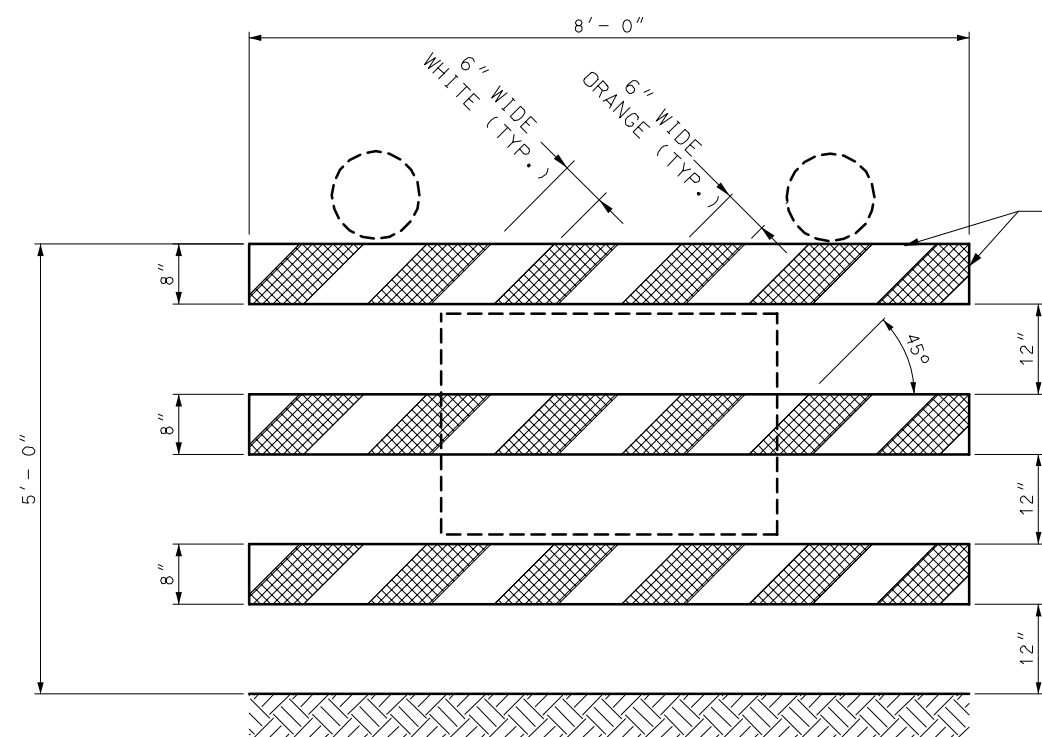
TWO LANE / TWO WAY TRAFFIC DELINEATION PLAN FOR DIVIDED HIGHWAY

IF RAISED PAVEMENT MARKERS ARE PRESENT, THE LENSES SHALL BE REMOVED OR COVERED TO THE SATISFACTION OF THE ENGINEER.



SECTION A-A
TUBULAR MARKER DETAIL

AN ADHESIVE, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, SHALL BE USED TO APPLY THE TUBULAR MARKER TO THE ROADWAY SURFACE. THE ADHESIVE SHALL PERMIT EASY REMOVAL OF THE TUBULAR MARKER WITHOUT DAMAGE TO THE ROADWAY SURFACE.



MODOT TYPE 7 SHEETING

ONE TYPE III MOVABLE BARRICADE WILL BE REQUIRED TO COMPLETELY CLOSE EACH 8' OF TRAVELED WAY WIDTH.

SIGNS SHALL OBSCURE NO MORE THAN 50 PERCENT OF THE TOP 2 RAILS OR 33 PERCENT OF ALL THREE RAILS. SEE SIGN MOUNTING REQUIREMENTS IN TABLE A ON SHEET 1.

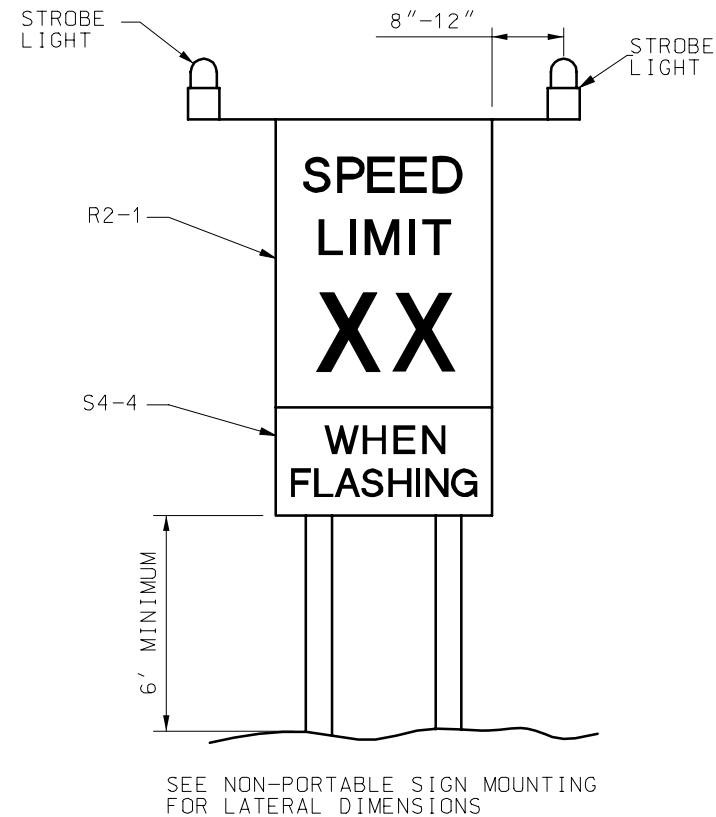
WHERE A BARRICADE ARRAY EXTENDS ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN OR PASS.

WHERE BOTH RIGHT AND LEFT VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE ARRAY.

WHERE NO VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE ARRAY.

TYPE III MOVABLE BARRICADE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
TEMPORARY TRAFFIC CONTROL DEVICES			
DATE: _____	EFFECTIVE: 07-01-2006	616.10AG	3/8



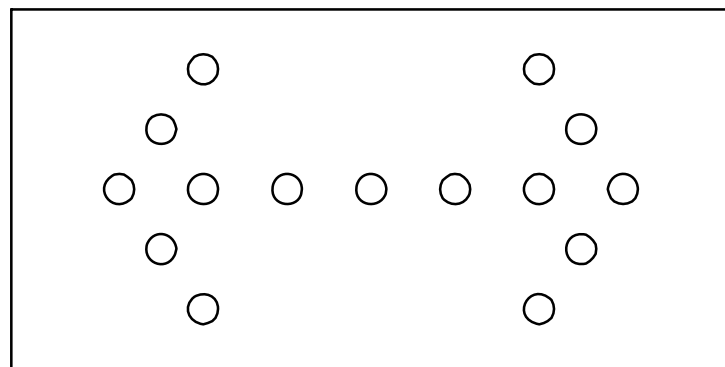
SPEED LIMIT AND STROBE LIGHT ASSEMBLY

THE ASSEMBLY MAY BE EITHER POST- OR PORTABLE-MOUNTED.

THE ASSEMBLY SHALL ONLY BE USED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE ASSEMBLY SHALL BE COVERED OR ROTATED SO THE SIGNS ARE NOT VISIBLE TO TRAFFIC WHEN WORK IS SUSPENDED OR THE CONDITION REQUIRING THE SPEED REDUCTION IS NOT PRESENT FOR 48 HOURS OR MORE.

THE STROBE LIGHTS SHALL BE TURNED OFF WHEN THE SPEED LIMIT IS NOT IN EFFECT.



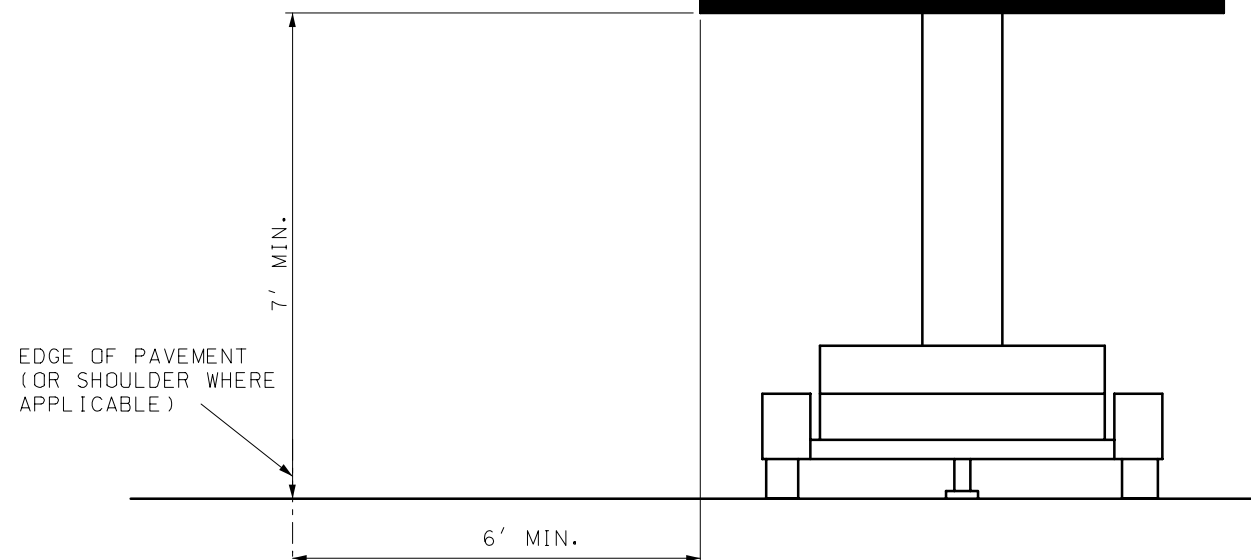
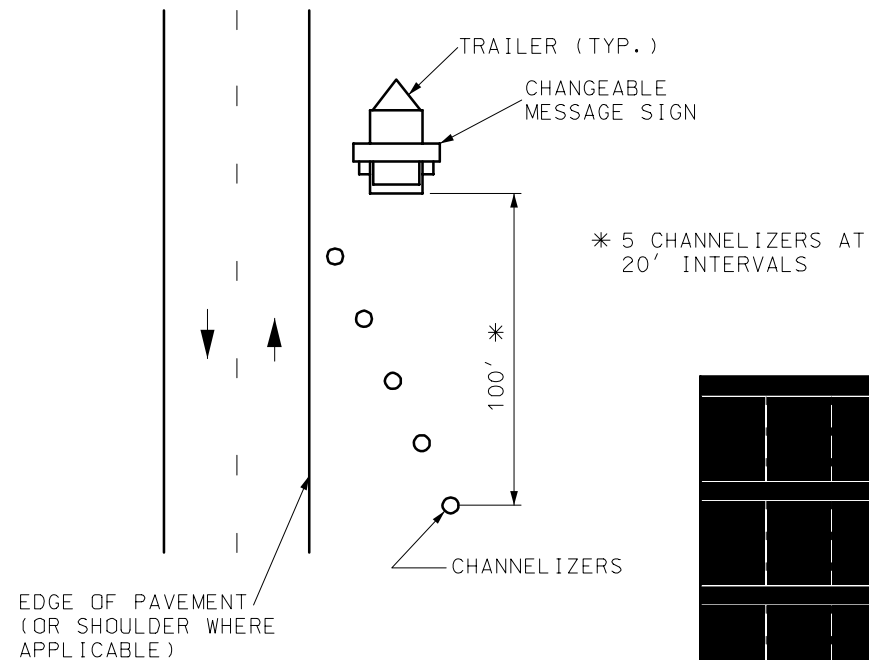
FLASHING ARROW PANEL REQUIREMENTS

PANEL MOUNTING HEIGHT SHALL BE AT LEAST 7 FEET FROM THE ROADWAY SURFACE TO THE LOWEST POINT ON THE PANEL. THE BOTTOM OF THE PANEL SHALL BE RELATIVELY LEVEL WHEN IN USE.

STROBE LIGHT REQUIREMENTS

STROBE LIGHTS SHALL BE SHIELDED SO THEY WILL NOT BE DIRECTLY VISIBLE FROM THE REAR. NO DIRECT PAYMENT WILL BE MADE FOR THE BATTERIES REQUIRED TO POWER THE STROBE LIGHTS.

AT THE CONTRACTOR'S OPTION, THE STROBE LIGHTS MAY BE CONTROLLED BY A SWITCH LOCATED ON THE SIGN OR MAY BE A STANDARD TWO-CHANNEL DIGITAL TRANSMITTER AND RECEIVER UNIT. IF THE TRANSMITTER AND RECEIVER METHOD IS USED, ONE TRANSMITTER SHALL BE FURNISHED TO THE ENGINEER AT THE TIME OF INSTALLATION OF THE SPEED LIMIT ASSEMBLY. THE TRANSMITTER WILL BE RETURNED TO THE CONTRACTOR AT THE COMPLETION OF THE PROJECT. THE TRANSMITTER AND RECEIVERS WILL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE PROJECT IS COMPLETED. NO DIRECT PAYMENT WILL BE MADE FOR THE COST OF THE TRANSMITTER AND RECEIVER.



CHANGEABLE MESSAGE SIGN

PORTABLE WARNING LIGHTS

	TYPE A LOW INTENSITY	TYPE B HIGH INTENSITY	TYPE C STEADY BURN
LENS DIRECTIONAL FACES	1 OR 2	1	1 OR 2
FLASHING RATE PER MINUTE	55 TO 75	55 TO 75	CONSTANT
MINIMUM ON-TIME(1)	10%	8%	CONSTANT
HOURS OF OPERATION	DUSK TO DAWN	24 HRS/DAY	DUSK TO DAWN

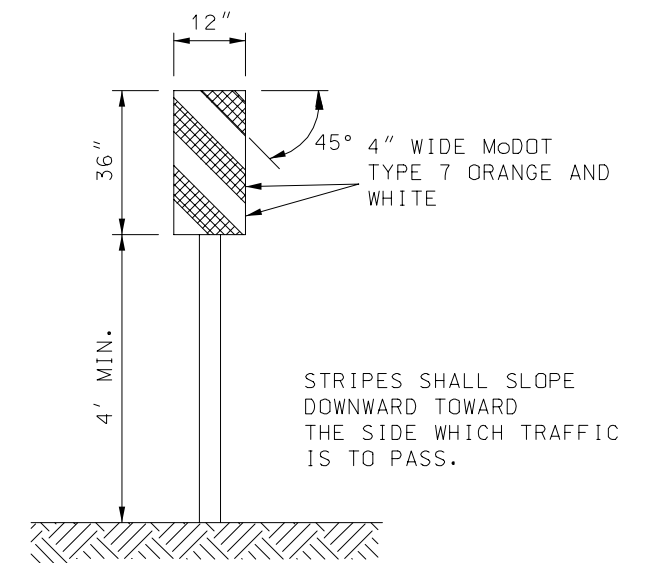
TYPE A AND C LIGHTS SHALL BE VISIBLE ON A CLEAR NIGHT FROM A DISTANCE OF 3000 FEET(2).

TYPE B LIGHTS SHALL BE VISIBLE ON A SUNNY DAY WHEN VIEWED WITHOUT THE SUN DIRECTLY ON OR BEHIND THE DEVICE FROM A DISTANCE OF 1000 FEET(2).

(1) LENGTH OF TIME THAT INSTANTANEOUS INTENSITY IS EQUAL TO OR GREATER THAN EFFECTIVE INTENSITY.

(2) THIS VISIBILITY MUST BE MAINTAINED WITHIN A SOLID ANGLE 9° ON EACH SIDE OF THE VERTICAL AXIS, AND 5° ABOVE AND 5° BELOW THE HORIZONTAL AXIS.

PORTABLE WARNING LIGHTS SHALL BE BATTERY- OR SOLAR-POWERED.



TYPE 3 OBJECT MARKERS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
TEMPORARY TRAFFIC CONTROL DEVICES			
DATE: _____	EFFECTIVE: 07-01-2006	616.10AG	4/8

LOCATION OF ACTIVITY (I.E. WORKERS, EQUIPMENT, MATERIAL) OR TYPE OF OPERATION	POSTED SPEED GREATER THAN 55 MPH		POSTED SPEED LESS THAN OR EQUAL TO 55 MPH	
	PROTECTED	UNPROTECTED	PROTECTED	UNPROTECTED
MULTILANE FACILITY				
BEYOND 30' OF EOTP	POSTED	POSTED	POSTED	POSTED
10' TO 30' OF EOTP	POSTED	POSTED-10	POSTED	POSTED
WITHIN 10' OF EOTP	POSTED	POSTED-10	POSTED	POSTED-10
IN TRAFFIC LANE	POSTED-10	POSTED-20 (MIN. 45 MPH)	POSTED-10	POSTED-10
HEAD-TO-HEAD	POSTED-10	POSTED-10	POSTED-10	POSTED-10
2-LANE / 2-WAY OPERATION				
BEYOND 30' OF EOTP	POSTED	POSTED	POSTED	POSTED
10' TO 30' OF EOTP	POSTED	POSTED-10 (MIN. 55 MPH)	POSTED	POSTED
WITHIN 10' OF EOTP	POSTED	POSTED-20 (MIN. 45 MPH)	POSTED	POSTED-10
1 LANE / 2 WAY OPERATION	35 MPH *			
TEMPORARY CLOSURE WITH FLAGGER	35 MPH *			

* CONDITIONS MAY ALLOW FOR SPEEDS GREATER THAN 35 MPH.

LEGEND:

“EOTP” = EDGE OF THROUGH PAVEMENT

“PROTECTED” INDICATES THAT ACTIVITY IS PHYSICALLY SHIELDED BY A CRASH-WORTHY DEVICE (TRAFFIC BARRIER, GUARDRAIL, IMPACT ATTENUATORS, ETC.).

“UNPROTECTED” INDICATES THAT ACTIVITY IS NOT SHIELDED BY A CRASH-WORTHY DEVICE. IT MAY ONLY BE DELINEATED BY CHANNELIZING DEVICES OR PAVEMENT MARKINGS.

“POSTED” INDICATES POSTED (EXISTING) SPEED PRIOR TO WORK ACTIVITY.

“POSTED-XX” INDICATES A REDUCTION IN THE SPEED LIMIT BY THE AMOUNT SHOWN IN MPH.

“MULTILANE FACILITY” OR “2-LANE/2-WAY OPERATION” INDICATES EXISTING GEOMETRICS PRIOR TO WORK ACTIVITY.

GENERAL NOTES:

REDUCED SPEEDS SHALL NOT BE BELOW 35 MPH EXCEPT WHEN LOCAL ORDINANCE PROVIDES FOR A LOWER SPEED, THE LOWER SPEED SHALL BE USED WHEN APPLICABLE.

ON DIVIDED HIGHWAYS, THE REDUCED SPEED IS APPLICABLE TO THE AFFECTED DIRECTION OF TRAVEL ONLY.

IF A SPEED REDUCTION IS USED, EXISTING SPEED LIMIT SIGNS WITHIN THE WORK ZONE SHALL BE COVERED OR REMOVED. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT ½ MILE.

IF THERE ARE GEOMETRICS IN THE WORK ZONE THAT REQUIRE A LOWER SPEED THAN THE SPEED INDICATED IN THE CHART (I.E. TEMPORARY BYPASSES, NARROW LANES, ETC.), APPROPRIATE WARNING SIGNS WITH ADVISORY SPEED PLAQUES SHALL BE USED TO ADVISE OF THIS SPECIALIZED SITUATION.

TEMPORARY SPEED LIMIT SIGNS AND REDUCED SPEED AHEAD SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.

SPECIAL ACTIVITY WITHIN A WORK ZONE MAY REQUIRE A LOWER SPEED LIMIT THAN THE GENERAL WORK ZONE SPEED LIMIT. THE FURTHER REDUCED SPEED LIMIT SHALL BE EFFECTIVE ONLY FOR THE DURATION OF THAT ACTIVITY AND ONLY FOR THE SPECIFIC AREA OF THAT ACTIVITY.

FOR SPEED REDUCTIONS GREATER THAN 20 MPH, THE SPEED LIMIT SHOULD BE REDUCED IN 2 STAGES.

DEVIATIONS FROM THIS CHART SHALL BE DOCUMENTED.

WORK ZONE SPEED LIMIT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
	TEMPORARY TRAFFIC CONTROL DEVICES WORK ZONE SPEED LIMITS		
DATE:_____	EFFECTIVE: 07-01-2006	616.10AG	5 8

WARNING SIGNS						
SIGN	SIZE (IN.)	AREA (SQ. FT.)	COLOR		SHEETING	DESCRIPTION
			SYM. LEG. BRD.	BACK GROUND		
W01-1L	48X48	16.00	BK	OR	MoDOT FL. OR	TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00	BK	OR	MoDOT FL. OR	TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00	BK	OR	MoDOT FL. OR	CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00	BK	OR	MoDOT FL. OR	CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00	BK	OR	MoDOT FL. OR	REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00	BK	OR	MoDOT FL. OR	REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00	BK	OR	MoDOT FL. OR	REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00	BK	OR	MoDOT FL. OR	REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00	BK	OR	MoDOT FL. OR	DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS) (2)
W01-4bR	48X48	16.00	BK	OR	MoDOT FL. OR	DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS) (2)
W01-4cL	48X48	16.00	BK	OR	MoDOT FL. OR	TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS) (2)
W01-4cR	48X48	16.00	BK	OR	MoDOT FL. OR	TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS) (2)
W01-6	48X24	8.00	BK	OR	MoDOT FL. OR	HORIZONTAL ARROW (SYMBOL)
W01-6a	72X36	18.00	BK	OR	MoDOT FL. OR	HORIZONTAL ARROW (SYMBOL ON BARRICADE) (1)
W01-7	48X24	8.00	BK	OR	MoDOT FL. OR	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00	BK	OR	MoDOT FL. OR	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL ON BARRICADE) (1)
W01-8	18X24	3.00	BK	OR	MoDOT FL. OR	CHEVRON (SYMBOL)
W01-8a	36X48	12.00	BK	OR	MoDOT FL. OR	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1a	48X48	16.00	BK	OR	MoDOT FL. OR	STOP AHEAD (SYMBOL)
W03-2a	48X48	16.00	BK	OR	MoDOT FL. OR	YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00	BK	OR	MoDOT FL. OR	SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00	BK	OR	MoDOT FL. OR	BE PREPARED TO STOP
W03-5	48X48	16.00	BK	OR	MoDOT FL. OR	REDUCE SPEED AHEAD (SYMBOL)
W04-1L	48X48	16.00	BK	OR	MoDOT FL. OR	MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00	BK	OR	MoDOT FL. OR	MERGE (SYMBOL FROM RIGHT)
W05-1	48X48	16.00	BK	OR	MoDOT FL. OR	ROAD/BRIDGE/RAMP NARROWS (4)
W05-3	48X48	16.00	BK	OR	MoDOT FL. OR	ONE LANE BRIDGE
W05-5	48X48	16.00	BK	OR	MoDOT FL. OR	NARROW LANES (3)
W06-1	48X48	16.00	BK	OR	MoDOT FL. OR	DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00	BK	OR	MoDOT FL. OR	DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00	BK	OR	MoDOT FL. OR	TWO WAY TRAFFIC (SYMBOL)
W07-3a	24X18	3.00	BK	OR	MoDOT FL. OR	NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00	BK	OR	MoDOT FL. OR	BUMP
W08-2	48X48	16.00	BK	OR	MoDOT FL. OR	DIP
W08-3	48X48	16.00	BK	OR	MoDOT FL. OR	PAVEMENT ENDS
W08-4	48X48	16.00	BK	OR	MoDOT FL. OR	SOFT SHOULDER
W08-5	48X48	16.00	BK	OR	MoDOT FL. OR	SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00	BK	OR	MoDOT FL. OR	TRUCK CROSSING
W08-6c	48X48	16.00	BK	OR	MoDOT FL. OR	TRUCK ENTRANCE (3)
W08-7	36X36	9.00	BK	OR	MoDOT FL. OR	LOOSE GRAVEL
W08-9	48X48	16.00	BK	OR	MoDOT FL. OR	LOW SHOULDER
W08-9a	48X48	16.00	BK	OR	MoDOT FL. OR	SHOULDER DROP-OFF
W08-11	48X48	16.00	BK	OR	MoDOT FL. OR	UNEVEN LANES
W08-12	36X36	9.00	BK	OR	MoDOT FL. OR	NO CENTER STRIPE
W10-1	42 RND.	9.62	BK	YL	MoDOT TYPE 3	RAILROAD CROSSING
W012-1	24X24	4.00	BK	OR	MoDOT FL. OR	DOUBLE DOWN ARROW (SYMBOL)
W012-2	48X48	16.00	BK	OR	MoDOT FL. OR	LOW CLEARANCE (SYMBOL)
W012-2x	24X18	3.00	BK	OR	MoDOT FL. OR	LOW CLEARANCE (PLAQUE) (3)
W012-3a,b	144X24	24.00	BK	OR	MoDOT FL. OR	OVERHEAD LOW CLEARANCE (FEET AND INCHES) (3)
SPECIAL	120X60	50.00	BK	OR	MoDOT FL. OR	LOW CLEARANCE XX FT XX IN XX MILES AHEAD (3)
SPECIAL	120X60	50.00	BK	OR	MoDOT FL. OR	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD (3)
W013-1	24X24	4.00	BK	OR	MoDOT FL. OR	ADVISORY SPEED (PLAQUE)
W016-2a	24X18	3.00	BK	OR	MoDOT FL. OR	500 FEET/1000 FEET (PLAQUE)
W020-1	48X48	16.00	BK	OR	MoDOT FL. OR	ROAD/BRIDGE/RAMP WORK AHEAD (4)
W020-2	48X48	16.00	BK	OR	MoDOT FL. OR	DETOUR AHEAD
W020-3	48X48	16.00	BK	OR	MoDOT FL. OR	ROAD CLOSED AHEAD
W020-4	48X48	16.00	BK	OR	MoDOT FL. OR	ONE LANE ROAD AHEAD
W020-5	48X48	16.00	BK	OR	MoDOT FL. OR	RIGHT/CENTER/LEFT LANE CLOSED AHEAD (4)

(1) SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.

(2) REFER TO THE LATEST EDITION OF MUTCD PART VI BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA FOR SIGN DEPICTION. ARROW, BORDERS AND SPACING SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.

(3) ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.

(4) USE OF A SUPPLEMENTAL PLATE FOR LINE 1 IS ACCEPTABLE.

(5) PLAQUE AND APPLICABLE REGULATORY SIGN MAY BE MANUFACTURED AS ONE SIGN.

GENERAL NOTES:

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA, UNLESS SPECIFIED OTHERWISE.

SIGN DIMENSIONS SHOWN ARE MINIMUM. NO ADDITIONAL PAYMENT WILL BE MADE IF CONTRACTORS USE LARGER SIGNS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR PLATES.

ALL PLAQUES SHALL HAVE A BORDER. PLATES SHALL NOT HAVE A BORDER.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
	<div>TEMPORARY TRAFFIC CONTROL DEVICES WARNING SIGNS</div>		
DATE:_____	EFFECTIVE:07-01-2006	616.10AG	<div>6 8</div>

WARNING SIGNS						
SIGN	SIZE (IN.)	AREA (SQ. FT.)	COLOR		SHEETING	DESCRIPTION
			SYM. LEG. BRD.	BACK GROUND		
W020-5a	48X48	16.00	BK	OR	MoDOT FL. OR	RIGHT/CENTER/LEFT TWO LANES CLOSED AHEAD (4)
W020-6a	48X48	16.00	BK	OR	MoDOT FL. OR	RIGHT/CENTER/LEFT LANE CLOSED (3)(4)
W020-7a	48X48	16.00	BK	OR	MoDOT FL. OR	FLAGGER (SYMBOL)
W021-2	48X48	16.00	BK	OR	MoDOT FL. OR	FRESH OIL
W021-5b	48X48	16.00	BK	OR	MoDOT FL. OR	SHOULDER WORK AHEAD (3)
W022-1	48X48	16.00	BK	OR	MoDOT FL. OR	BLASTING ZONE AHEAD
W022-2	42X36	10.50	BK	OR	MoDOT FL. OR	TURN OFF 2-WAY RADIO AND PHONE
W022-3	42X36	10.50	BK	OR	MoDOT FL. OR	END BLASTING ZONE
W022-6e	21X15	2.19	BK	OR	MoDOT FL. OR	WET PAINT (ARROW PIVOTS) (3)
GUIDE SIGNS						
E05-1	60X48	20.00	BK	OR	MoDOT FL. OR	GORE EXIT (3)
G020-1	60X24	10.00	BK	OR	MoDOT FL. OR	ROAD WORK NEXT XX MILES
G020-2	48X24	8.00	BK	OR	MoDOT FL. OR	END ROAD WORK
G020-4	36X18	4.50	BK	OR	MoDOT FL. OR	PILOT CAR FOLLOW ME
G023-1	36X12	3.00	BK	OR	MoDOT FL. OR	WORK ZONE (PLAQUE) (3) (5)
M04-1	24X12	2.00	BK	OR	MoDOT FL. OR	ALTERNATE (PLAQUE)
M04-8	24X12	2.00	BK	OR	MoDOT FL. OR	DETOUR (PLAQUE)
M04-8a	24X18	3.00	BK	OR	MoDOT FL. OR	END DETOUR
M04-9L	48X36	12.00	BK	OR	MoDOT FL. OR	DETOUR (LEFT ARROW)
M04-9R	48X36	12.00	BK	OR	MoDOT FL. OR	DETOUR (RIGHT ARROW)
M04-10L	48X18	6.00	BK	OR	MoDOT FL. OR	DETOUR (ARROW LEFT)
M04-10R	48X18	6.00	BK	OR	MoDOT FL. OR	DETOUR (ARROW RIGHT)
M5-1	21X15	2.19	BK	WH	MoDOT TYPE 3	ADVANCE LEFT TURN ARROW
M5-1R	21X15	2.19	BK	WH	MoDOT TYPE 3	ADVANCE RIGHT TURN ARROW
M6-1	21X15	2.19	BK	WH	MoDOT TYPE 3	TURN ARROW
M6-3	21X15	2.19	BK	WH	MoDOT TYPE 3	STRAIGHT ARROW
REGULATORY SIGNS						
R1-1	48X48	13.25	WH	RD	MoDOT TYPE 3	STOP
R1-2	48 TRI.	6.93	RD	WH	MoDOT TYPE 3	YIELD
R1-2a	36X36	9.00	BK	WH	MoDOT TYPE 3	TO ONCOMING TRAFFIC (PLAQUE)
R1-3	20X9	1.25	WH	RD	MoDOT TYPE 3	4/3-WAY (PLAQUE)
R2-1	36X48	12.00	BK	WH	MoDOT TYPE 3	SPEED LIMIT XX
R3-1	48X48	16.00	BK/RD	WH	MoDOT TYPE 3	NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00	BK/RD	WH	MoDOT TYPE 3	NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00	BK	WH	MoDOT TYPE 3	NO TURNS
R3-4	48X48	16.00	BK/RD	WH	MoDOT TYPE 3	NO U-TURN (SYMBOL)
R3-7L	30X30	6.25	BK	WH	MoDOT TYPE 3	LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25	BK	WH	MoDOT TYPE 3	RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00	BK	WH	MoDOT TYPE 3	DO NOT PASS
R4-2	36X48	12.00	BK	WH	MoDOT TYPE 3	PASS WITH CARE
R4-7a	36X48	12.00	BK	WH	MoDOT TYPE 3	KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00	BK	WH	MoDOT TYPE 3	KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25	RD	WH	MoDOT TYPE 3	DO NOT ENTER
R5-1a	36X24	6.00	WH	RD	MoDOT TYPE 3	WRONG WAY
R6-1L	48X18	6.00	BK	WH	MoDOT TYPE 3	ONE WAY ARROW (LEFT)
R6-1R	48X18	6.00	BK	WH	MoDOT TYPE 3	ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00	BK	WH	MoDOT TYPE 3	ONE WAY (LEFT)
R6-2R	24X30	5.00	BK	WH	MoDOT TYPE 3	ONE WAY (RIGHT)
R10-6	24X36	6.00	BK	WH	MoDOT TYPE 3	STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00	BK	WH	MoDOT TYPE 3	ROAD CLOSED
R11-3a	60X30	12.50	BK	WH	MoDOT TYPE 3	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	BK	WH	MoDOT TYPE 3	ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00	BK	WH	MoDOT TYPE 3	FINE SIGN (3)
CONST-3X	57X9	---	BK	WH	MoDOT TYPE 3	SPEEDING/PASSING (PLATE) (3)

(1) SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.

(2) REFER TO THE LATEST EDITION OF MUTCD PART VI BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA FOR SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.

(3) ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.

(4) USE OF A SUPPLEMENTAL PLATE FOR LINE 1 IS ACCEPTABLE.

(5) PLAQUE AND APPLICABLE REGULATORY SIGN MAY BE MANUFACTURED AS ONE SIGN.

GENERAL NOTES:

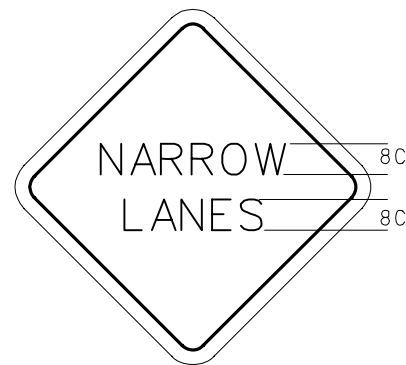
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA, UNLESS SPECIFIED OTHERWISE.

SIGN DIMENSIONS SHOWN ARE MINIMUM. NO ADDITIONAL PAYMENT WILL BE MADE IF CONTRACTORS USE LARGER SIGNS.

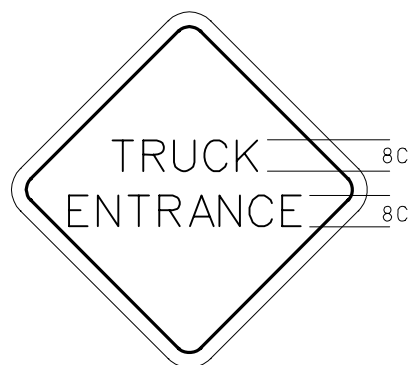
NO ADDITIONAL PAYMENT WILL BE MADE FOR PLATES.

ALL PLAQUES SHALL HAVE A BORDER. PLATES SHALL NOT HAVE A BORDER.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
	TEMPORARY TRAFFIC CONTROL DEVICES WARNING, GUIDE AND REGULATORY SIGNS		
DATE:_____	EFFECTIVE: 07-01-2006	616.10AG	7/8



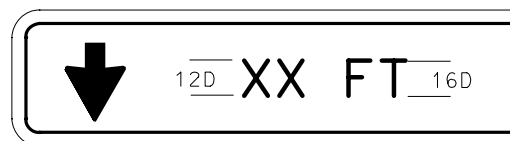
W05-5 (3)



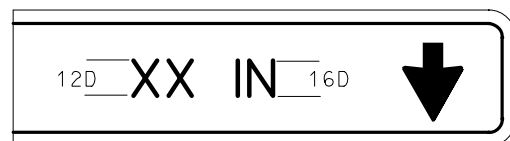
W08-6c (3)



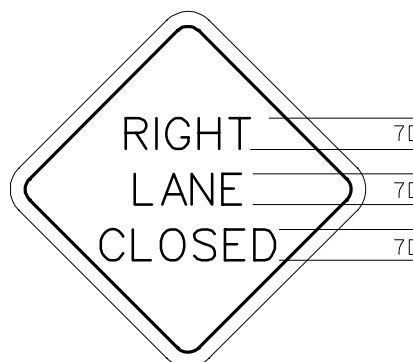
W012-2x (3)



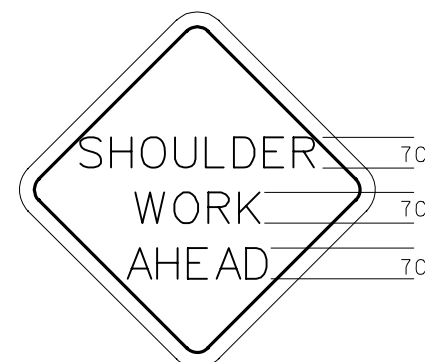
W012-3a (3)



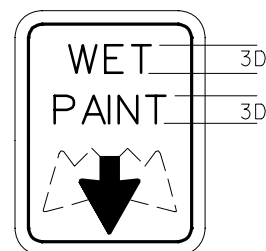
W012-3b (3)



W020-6a (3)(4)



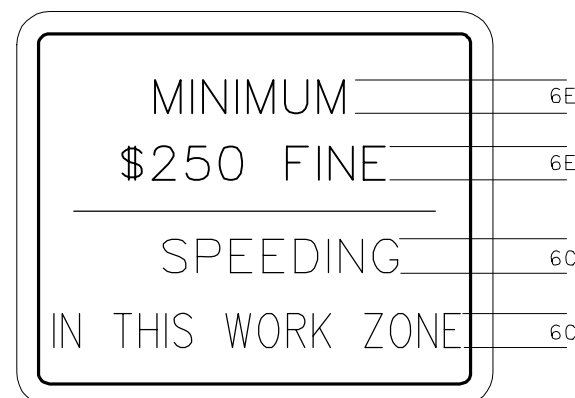
W021-5b (3)



W022-6e (3)



G023-1 (3)



CONST-3A (3)



SPECIAL (3)



SPECIAL (3)



CONST-3X (3)

- (1) SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.
- (2) REFER TO THE LATEST EDITION OF MUTCD PART VI BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA FOR SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.
- (3) ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.
- (4) USE OF A SUPPLEMENTAL PLATE FOR LINE 1 IS ACCEPTABLE.
- (5) PLAQUE AND APPLICABLE REGULATORY SIGN MAY BE MANUFACTURED AS ONE SIGN.

GENERAL NOTES:

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA UNLESS SPECIFIED OTHERWISE.

SIGN DIMENSIONS SHOWN ARE MINIMUM. NO ADDITIONAL PAYMENT WILL BE MADE IF CONTRACTORS USE LARGER SIGNS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR PLATES.

ALL PLAQUES SHALL HAVE A BORDER. PLATES SHALL NOT HAVE A BORDER.

LETTER DIMENSIONS SHALL BE AS SHOWN.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
		TRAFFIC CONTROL DEVICES	
DATE: _____	EFFECTIVE: 07-01-2006	616.10AG	8/8